



Sterile Filters & Capsules



Overview

- All capsule filter configurations can be specified with wide range of media options and offer superior performance for clarification, Purification and pre-filtration through sterilizing-grade filtration. Our capsule filters provide high flow rates, Low protein binding and broad chemical compatibility.
- Capsule Filters are constructed with high purity polymeric membranes, Hardware, and Supports and are ideal for the filtration of aggressive gases, Liquids, and Solutions from a wide variety of chemical and engineering processes

Features & Benefits

- Filter capsules may be sanitized with a variety of commonly used chemical agents. The capsules may be repeatedly autoclaved for up to 5 cycles. The materials contained in Capsule filters meet U.S. FDA requirements for food contact under the applicable regulations in 21 CFR.

Application

- Point-of-Use Water Filters
- Low Cost OEM Filters
- Sea water Filtration
- RO Reject & Alkaline water

Specification

- Materials of Construction : Polypropylene, PTFE, PES, Nylon
- Membrane : Membrane Support Polypropylene Microfiber
- Housing : Cage, Core, End Caps: Polypropylene
- Fitting Connections : MNPT, FNTPT, Compression, Flare, Sanitary Flange, Hose Barb
- Dimensions (Nominal) :
- Small – {3.5 – 5.0" (9-13 cm) : 0.8 ft² (748 cm²) }
- Medium – {7.6 - 9.1" (19-23 cm) : 3.0 ft² (2806 cm²) }
- Large - {11.5 - 13.0" (29-33 cm) : 5.9 ft² (5500 cm²) }
- Diameter : 3.5 "(9 cm)
- Max Operating Pressure : 80 psi (5.5 bar) @ 70°F (21°C) in Liquid, 55 psi (3.8 bar) @ 70°F (21°C) in Gas
- Max Differential Pressure : 60 psi (4.1 bar) @ 70°F (21°C) m
- Max Operating Temperature : 110°F (43°C) at ≤30 psi (2.1 bar) Operating Pressure
- Autoclave : Up to 5 Cycles. 30 minutes @ 121°C Only PTFE, PES, Nylon)